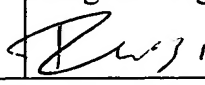


ATTORNEY DOCKET NO.: 044921-5124  
SOLE/JOINT INVENTION  
(Worldwide Rights)

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

<b>Full Name of Sole or First Assignor</b> Arthur CASTLE	<b>Assignor's Signature</b>	<b>Date</b>
Address 708 Quince Orchard Road, Gaithersburg, Maryland, 20878		<b>Citizenship</b> U.S.A.
<b>Full Name of Second Assignor</b> Brandon HIGGS	<b>Assignor's Signature</b> 	<b>Date</b> 10/12/03
Address 708 Quince Orchard Road, Gaithersburg, Maryland, 20878		<b>Citizenship</b> U.S.A.
<b>Full Name of Third Assignor</b> Michael ELASHOFF	<b>Assignor's Signature</b>	<b>Date</b>
Address 708 Quince Orchard Road, Gaithersburg, Maryland, 20878		<b>Citizenship</b> U.S.A.
<b>Full Name of Fourth Assignor</b> Mark PORTER	<b>Assignor's Signature</b>	<b>Date</b>
Address 708 Quince Orchard Road, Gaithersburg, Maryland, 20878		<b>Citizenship</b> U.S.A.
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

**COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY**

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

ATTORNEY DOCKET NO.: 044921-5124

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**NUCLEIC ACID DETECTION ASSAY CONTROL GENES**

The specification of which:

is attached hereto; or

was filed as United States application Serial No. 10/620,765 on July 17, 2003 and was amended on \_\_\_\_ (if applicable); or

was filed as PCT international application Number \_\_\_\_ on \_\_\_\_ and was amended under PCT Article 19

On \_\_\_\_ (if applicable).

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**PRIOR FOREIGN APPLICATION(S):**

COUNTRY (if PCT, indicate PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

Combined Declaration for Patent Application and Power of Attorney - (Continued)  
(includes Reference to PCT International Applications)  
ATTORNEY DOCKET NO.: 044921-5124

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U.S. PROVISIONAL APPLICATIONS

U.S. PROVISIONAL APPLICATION NO.

U.S. FILING DATE:

60/396,145

July 17, 2002

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U.S. OR PCT INTERNATIONAL APPLICATIONS

STATUS (Check One)

APPLICATION NO.

FILING DATE

PATENTED

PENDING

ABANDONED

☐☐☐☐☐☐☐☐☐☐☐☐

POWER OF ATTORNEY: As a named inventor, I hereby appoint the registered practitioners of Morgan, Lewis & Bockius LLP included in the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to that Customer Number.


Customer Number: 09629

Direct Telephone Calls To:

202-739-3000

Combined Declaration for Patent Application and Power of Attorney - (Continued)  
(includes Reference to PCT International Applications)  
ATTORNEY DOCKET NO.: 044921-5124

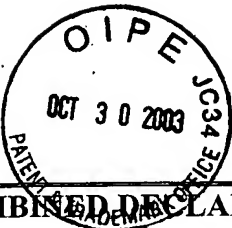
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF SOLE OR FIRST INVENTOR	Arthur CASTLE	
RESIDENCE & CITIZENSHIP	Gaithersburg, Maryland	COUNTRY OF CITIZENSHIP U.S.A.
POST OFFICE ADDRESS	708 Quince Orchard Road, Gaithersburg, MD 20878	
FIRST OR SOLE INVENTOR'S SIGNATURE	DATE	
	10/14/03	
FULL NAME OF SECOND INVENTOR	Brandon HIGGS	
RESIDENCE & CITIZENSHIP	Gaithersburg, Maryland	COUNTRY OF CITIZENSHIP U.S.A.
POST OFFICE ADDRESS	708 Quince Orchard Road, Gaithersburg, MD 20878	
SECOND INVENTOR'S SIGNATURE	DATE	
FULL NAME OF THIRD INVENTOR	Michael ELASHOFF	
RESIDENCE & CITIZENSHIP	Gaithersburg, Maryland	COUNTRY OF CITIZENSHIP U.S.A.
POST OFFICE ADDRESS	708 Quince Orchard Road, Gaithersburg, MD 20878	
THIRD INVENTOR'S SIGNATURE	DATE	

Listing of Inventors Continued on attached page(s): ☒ Yes ☐ No

Combined Declaration for Patent Application and Power of Attorney - (Continued) (includes Reference to PCT International Applications) ATTORNEY DOCKET NO.: 044921-5124		
FULL NAME OF FOURTH INVENTOR	Mark PORTER	
RESIDENCE & CITIZENSHIP	Gaithersburg, Maryland	COUNTRY OF CITIZENSHIP U.S.A.
POST OFFICE ADDRESS	708 Quince Orchard Road, Gaithersburg, MD 20878	

Listing of Inventors Continued on attached page(s): ☐ Yes ☒ No



**COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY**  
U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ATTORNEY DOCKET NO.: 044921-5124

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**PRIOR FOREIGN APPLICATION(S):**

COUNTRY (if PCT, indicate PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

Combined Declaration for Patent Application and Power of Attorney - (Continued)  
(includes Reference to PCT International Applications)

ATTORNEY DOCKET NO.: 044921-5124

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U.S. PROVISIONAL APPLICATIONS

U.S. PROVISIONAL APPLICATION NO.

U.S. FILING DATE:

60/396,145

July 17, 2002

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U.S. OR PCT INTERNATIONAL APPLICATIONS

STATUS (Check One)

APPLICATION NO.

FILING DATE

PATENTED

PENDING

ABANDONED

☐☐☐☐☐☐☐☐☐☐☐☐

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202-739-3000

Combined Declaration for Patent Application and Power of Attorney - (Continued)  
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ATTORNEY DOCKET NO.: 044921-5124

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

<b>FULL NAME OF SOLE OR FIRST INVENTOR</b>	Arthur CASTLE	
<b>RESIDENCE &amp; CITIZENSHIP</b>	Gaithersburg, Maryland	<b>COUNTRY OF CITIZENSHIP</b> U.S.A.
<b>POST OFFICE ADDRESS</b>	708 Quince Orchard Road, Gaithersburg, MD 20878	
<b>FIRST OR SOLE INVENTOR'S SIGNATURE</b>		<b>DATE</b>
<b>FULL NAME OF SECOND INVENTOR</b>	Brandon HIGGS	
<b>RESIDENCE &amp; CITIZENSHIP</b>	Gaithersburg, Maryland	<b>COUNTRY OF CITIZENSHIP</b> U.S.A.
<b>POST OFFICE ADDRESS</b>	708 Quince Orchard Road, Gaithersburg, MD 20878	
<b>SECOND INVENTOR'S SIGNATURE</b> 		<b>DATE</b> 10/13/03
<b>FULL NAME OF THIRD INVENTOR</b>	Michael ELASHOFF	
<b>RESIDENCE &amp; CITIZENSHIP</b>	Gaithersburg, Maryland	<b>COUNTRY OF CITIZENSHIP</b> U.S.A.
<b>POST OFFICE ADDRESS</b>	708 Quince Orchard Road, Gaithersburg, MD 20878	
<b>THIRD INVENTOR'S SIGNATURE</b>		<b>DATE</b>

Listing of Inventors Continued on attached page(s): ☒ Yes ☐ No



Combined Declaration for Patent Application and Power of Attorney - (Continued) (includes Reference to PCT International Applications) ATTORNEY DOCKET NO.: 044921-5124		
FULL NAME OF FOURTH INVENTOR	Mark PORTER	
RESIDENCE & CITIZENSHIP	Gaithersburg, Maryland	COUNTRY OF CITIZENSHIP U.S.A.
POST OFFICE ADDRESS	708 Quince Orchard Road, Gaithersburg, MD 20878	

Listing of Inventors Continued on attached page(s): ☐ Yes ☒ No

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Patent and Trademark Office

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COUNTRY (if PCT, indicate PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
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Combined Declaration for Patent Application and Power of Attorney - (Continued)  
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U.S. PROVISIONAL APPLICATIONS

U.S. PROVISIONAL APPLICATION NO.

U.S. FILING DATE:

60/396,145

July 17, 2002

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PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT:

U.S. OR PCT INTERNATIONAL APPLICATIONS		STATUS (Check One)		
APPLICATION NO.	FILING DATE	PATENTED	PENDING	ABANDONED
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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POST OFFICE ADDRESS	708 Quince Orchard Road, Gaithersburg, MD 20878	
FIRST OR SOLE INVENTOR'S SIGNATURE		DATE
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RESIDENCE & CITIZENSHIP	Gaithersburg, Maryland	COUNTRY OF CITIZENSHIP U.S.A.
POST OFFICE ADDRESS	708 Quince Orchard Road, Gaithersburg, MD 20878	
SECOND INVENTOR'S SIGNATURE		DATE
FULL NAME OF THIRD INVENTOR	Michael ELASHOFF	
RESIDENCE & CITIZENSHIP	Gaithersburg, Maryland	COUNTRY OF CITIZENSHIP U.S.A.
POST OFFICE ADDRESS	708 Quince Orchard Road, Gaithersburg, MD 20878	
THIRD INVENTOR'S SIGNATURE 		DATE 10/13/2003

Listing of Inventors Continued on attached page(s): ☒ Yes ☐ No

Combined Declaration for Patent Application and Power of Attorney - (Continued) (includes Reference to PCT International Applications) ATTORNEY DOCKET NO.: 044921-5124		
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<b>U.S. PROVISIONAL APPLICATION NO.</b>	<b>U.S. FILING DATE:</b>
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60/396,145	July 17, 2002
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**U.S. OR PCT INTERNATIONAL APPLICATIONS**

**STATUS (Check One)**

APPLICATION NO.	FILING DATE	PATENTED	PENDING	ABANDONED
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		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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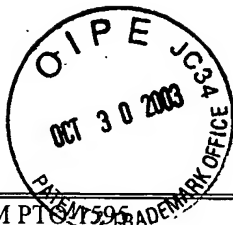
<b>FULL NAME OF SOLE OR FIRST INVENTOR</b>	Arthur CASTLE	
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Listing of Inventors Continued on attached page(s): ☒ Yes ☐ No



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FULL NAME OF FOURTH INVENTOR	Mark PORTER  10-13-03	
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Listing of Inventors Continued on attached page(s): ☐ Yes ☒ No



FORM PTOS-1596  
(Rev. 6-93)

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

Attorney Docket No.: 044921-5124

To the Commissioner for Patents

ATTN: MAIL STOP ASSIGNMENT RECORDATION SERVICES

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Arthur CASTLE  
Brandon HIGGS  
Michael ELASHOFF  
Mark PORTER

Additional names of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Gene Logic, Inc.

Internal Address: 708 Quince Orchard Road, Gaithersburg,  
Maryland 20878

Street Address:

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: October 19, 2003, October 13, 2003,  
October 13, 2003 and October 13, 2003

City:

State:

Zip:

Additional name(s) & address(es) attached?

☐ Yes ☒ No

4. New Application number(s) or patent number(s):

If this document is being filed together with a new application the execution date of the application is:

A. Patent Application No.(s) 10/620,765

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ No

5. Name and address of party to whom  
correspondence concerning document should be  
mailed:

Name: Michael S. Tuscan, Ph.D.

Internal Address: Morgan, Lewis & Bockius LLP  
Customer No. 09629

Street Address: 1111 Pennsylvania Ave., N.W.  
City: Washington State: D.C. Zip: 20004

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. §3.41): \$40.00

☐ Enclosed

☒ Authorized to be charged to Deposit Account 50-0310

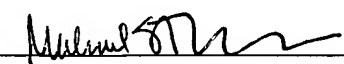
8. Deposit Account No. 50-0310  
(Attach duplicate page if paying by deposit account)

9. Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael S. Tuscan, Ph.D., Reg. No. 43,210

Name of Person Signing

  
Signature

October 30, 2003

Date

Total number of pages including cover sheet, attachments and documents: 9



FORM PTO-1595  
(Rev. 6-93)

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

Attorney Docket No.: 044921-5124

To the Commissioner for Patents

ATTN: MAIL STOP ASSIGNMENT RECORDATION SERVICES

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Arthur CASTLE  
Brandon HIGGS  
Michael ELASHOFF  
Mark PORTER

Additional names of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Gene Logic, Inc.

Internal Address: 708 Quince Orchard Road, Gaithersburg,  
Maryland 20878

Street Address:

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: October 19, 2003, October 13, 2003,  
October 13, 2003 and October 13, 2003

City:  
State:

Zip:

Additional name(s) & address(es) attached?

☐ Yes ☒ No

4. New Application number(s) or patent number(s):

If this document is being filed together with a new application the execution date of the application is:

A. Patent Application No.(s) 10/620,765

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ No

5. Name and address of party to whom  
correspondence concerning document should be  
mailed:

Name: Michael S. Tuscan, Ph.D.

Internal Address: Morgan, Lewis & Bockius LLP  
Customer No. 09629

Street Address: 1111 Pennsylvania Ave., N.W.  
City: Washington State: D.C. Zip: 20004

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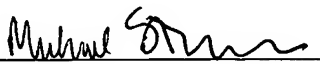
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Michael S. Tuscan, Ph.D., Reg. No. 43,210

Name of Person Signing

  
Signature

October 30, 2003

Date

Total number of pages including cover sheet, attachments and documents: 9

**ASSIGNMENT**

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

**NUCLEIC ACID DETECTION ASSAY CONTROL GENES**

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on July 17, 2003, (Serial No. 10/620,765); and

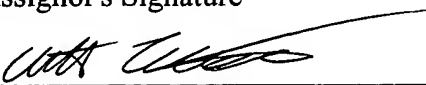
WHEREAS, Gene Logic, Inc., a corporation of Delaware, whose post office address is 708 Quince Orchard Road, Gaithersburg, Maryland 20878 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to these inventions in all countries throughout the world, and in and to these applications for United States Letters Patent on these inventions and the Letters Patent to be issued upon these applications;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to the invention(s) of this application, all national stage applications, all divisionals, continuations and continuations-in-part of the foregoing applications, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed in any foreign country and all Letters Patent which may be granted on these inventions in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for these inventions to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting these inventions, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to these inventions in said assignee, its successors or assigns, execute all divisionals, all national stage applications, all continuations, continuations-in-part and reissue applications thereof, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for these inventions in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

<b>Full Name of Sole or First Assignor</b> Arthur CASTLE	<b>Assignor's Signature</b> 	<b>Date</b> 10/19/03
<b>Address</b> 708 Quince Orchard Road, Gaithersburg, Maryland, 20878		<b>Citizenship</b> U.S.A.
<b>Full Name of Second Assignor</b> Brandon HIGGS	<b>Assignor's Signature</b>	<b>Date</b>
<b>Address</b> 708 Quince Orchard Road, Gaithersburg, Maryland, 20878		<b>Citizenship</b> U.S.A.
<b>Full Name of Third Assignor</b> Michael ELASHOFF	<b>Assignor's Signature</b>	<b>Date</b>
<b>Address</b> 708 Quince Orchard Road, Gaithersburg, Maryland, 20878		<b>Citizenship</b> U.S.A.
<b>Full Name of Fourth Assignor</b> Mark PORTER	<b>Assignor's Signature</b>	<b>Date</b>
<b>Address</b> 708 Quince Orchard Road, Gaithersburg, Maryland, 20878		<b>Citizenship</b> U.S.A.
<b>Names of additional inventors attached</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

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AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting these inventions, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to these inventions in said assignee, its successors or assigns, execute all divisionals, all national stage applications, all continuations, continuations-in-part and reissue applications thereof, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for these inventions in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

**ASSIGNMENT**

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

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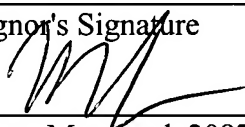
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ATTORNEY DOCKET NO.: 044921-5124  
SOLE/JOINT INVENTION  
(Worldwide Rights)

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

<b>Full Name of Sole or First Assignor</b> Arthur CASTLE	Assignor's Signature	Date
Address 708 Quince Orchard Road, Gaithersburg, Maryland, 20878		Citizenship U.S.A.
<b>Full Name of Second Assignor</b> Brandon HIGGS	Assignor's Signature	Date
Address 708 Quince Orchard Road, Gaithersburg, Maryland, 20878		Citizenship U.S.A.
<b>Full Name of Third Assignor</b> Michael ELASHOFF	Assignor's Signature 	Date 10/13/2003
Address 708 Quince Orchard Road, Gaithersburg, Maryland, 20878		Citizenship U.S.A.
<b>Full Name of Fourth Assignor</b> Mark PORTER	Assignor's Signature	Date
Address 708 Quince Orchard Road, Gaithersburg, Maryland, 20878		Citizenship U.S.A.
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		



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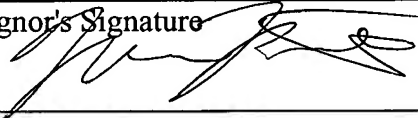
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